

# 8



ENTERED

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/931,583

DATE: 04/10/2002 P.5  
TIME: 13:12:16

Input Set : A:\C1039-7053seq.txt

Output Set: N:\CRF3\04102002\I931583.raw

```

3 <110> APPLICANT: Krieg, Arthur
4     Klinman, Dennis
5     Steinberg, Alfred
7 <120> TITLE OF INVENTION: Methods and Products for Treating HIV Infection
9 <130> FILE REFERENCE: C1039/7053(HCL)
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/931,583
12 <141> CURRENT FILING DATE: 2001-08-16
14 <150> PRIOR APPLICATION NUMBER: US 08/276,358
15 <151> PRIOR FILING DATE: 1994-07-15
17 <150> PRIOR APPLICATION NUMBER: US 09/415,142
18 <151> PRIOR FILING DATE: 1999-10-09
20 <160> NUMBER OF SEQ ID NOS: 75
22 <170> SOFTWARE: PatentIn version 3.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 20
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <221> NAME/KEY: misc_feature
31 <223> OTHER INFORMATION: Synthetic Oligonucleotide
34 <400> SEQUENCE: 1
35 ggggtcaacg ttcagggggg                20
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 15
40 <212> TYPE: DNA
41 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <221> NAME/KEY: misc_feature
45 <223> OTHER INFORMATION: Synthetic Oligonucleotide
48 <400> SEQUENCE: 2
49 gctagacgtt agcgt                      15
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 15
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <221> NAME/KEY: misc_feature
59 <223> OTHER INFORMATION: Synthetic Oligonucleotide
62 <400> SEQUENCE: 3
63 gctagatggtt agcgt                      15
66 <210> SEQ ID NO: 4
67 <211> LENGTH: 15
68 <212> TYPE: DNA

```

## RAW SEQUENCE LISTING

DATE: 04/10/2002

PATENT APPLICATION: US/09/931,583

TIME: 13:12:16

Input Set : A:\C1039-7053seq.txt

Output Set: N:\CRF3\04102002\I931583.raw

```

69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <221> NAME/KEY: misc_feature
73 <223> OTHER INFORMATION: Synthetic Oligonucleotide
76 <220> FEATURE:
77 <221> NAME/KEY: modified_base
78 <222> LOCATION: (7)..(7)
79 <223> OTHER INFORMATION: m5c
82 <400> SEQUENCE: 4
W--> 83 gctagangtt agcgt 15
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 15
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <221> NAME/KEY: misc_feature
93 <223> OTHER INFORMATION: Synthetic Oligonucleotide
96 <220> FEATURE:
97 <221> NAME/KEY: modified_base
98 <222> LOCATION: (13)..(13)
99 <223> OTHER INFORMATION: m5c
102 <400> SEQUENCE: 5
W--> 103 gctagacggtt agngt 15
106 <210> SEQ ID NO: 6
107 <211> LENGTH: 15
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <221> NAME/KEY: misc_feature
113 <223> OTHER INFORMATION: Synthetic Oligonucleotide
116 <400> SEQUENCE: 6
117 gcatgacggtt gagct 15
120 <210> SEQ ID NO: 7
121 <211> LENGTH: 20
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <221> NAME/KEY: misc_feature
127 <223> OTHER INFORMATION: Synthetic Oligonucleotide
130 <400> SEQUENCE: 7
131 atggaagggtc cagcgttctc 20
134 <210> SEQ ID NO: 8
135 <211> LENGTH: 20
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <221> NAME/KEY: misc_feature
141 <223> OTHER INFORMATION: Synthetic Oligonucleotide
144 <400> SEQUENCE: 8

```

## RAW SEQUENCE LISTING

DATE: 04/10/2002

PATENT APPLICATION: US/09/931,583

TIME: 13:12:16

Input Set : A:\C1039-7053seq.txt

Output Set: N:\CRF3\04102002\I931583.raw

```

145 atcgactctc gagcgttctc 20
148 <210> SEQ ID NO: 9
149 <211> LENGTH: 20
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <221> NAME/KEY: misc_feature
155 <223> OTHER INFORMATION: Synthetic Oligonucleotide
158 <220> FEATURE:
159 <221> NAME/KEY: modified_base
160 <222> LOCATION: (3)..(3)
161 <223> OTHER INFORMATION: m5c
164 <220> FEATURE:
165 <221> NAME/KEY: modified_base
166 <222> LOCATION: (10)..(10)
167 <223> OTHER INFORMATION: m5c
170 <220> FEATURE:
171 <221> NAME/KEY: modified_base
172 <222> LOCATION: (14)..(14)
173 <223> OTHER INFORMATION: m5c
176 <400> SEQUENCE: 9
W--> 177 atngactctn gagngttctc 20
180 <210> SEQ ID NO: 10
181 <211> LENGTH: 20
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <221> NAME/KEY: misc_feature
187 <223> OTHER INFORMATION: Synthetic Oligonucleotide
190 <220> FEATURE:
191 <221> NAME/KEY: modified_base
192 <222> LOCATION: (3)..(3)
193 <223> OTHER INFORMATION: m5c
196 <400> SEQUENCE: 10
W--> 197 atngactctc gagcgttctc 20
200 <210> SEQ ID NO: 11
201 <211> LENGTH: 20
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <221> NAME/KEY: misc_feature
207 <223> OTHER INFORMATION: Synthetic Oligonucleotide
210 <220> FEATURE:
211 <221> NAME/KEY: modified_base
212 <222> LOCATION: (18)..(18)
213 <223> OTHER INFORMATION: m5c
216 <400> SEQUENCE: 11
W--> 217 atcgactctc gagcgttntc 20
220 <210> SEQ ID NO: 12

```

RAW SEQUENCE LISTING                      DATE: 04/10/2002  
PATENT APPLICATION:    US/09/931,583        TIME: 13:12:16

Input Set : A:\C1039-7053seq.txt  
Output Set: N:\CRF3\04102002\I931583.raw

```
221 <211> LENGTH: 20
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <221> NAME/KEY: misc_feature
227 <223> OTHER INFORMATION: Synthetic Oligonucleotide
230 <400> SEQUENCE: 12
231 atggaaggtc caacgttctc 20
234 <210> SEQ ID NO: 13
235 <211> LENGTH: 20
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <221> NAME/KEY: misc_feature
241 <223> OTHER INFORMATION: Synthetic Oligonucleotide
244 <400> SEQUENCE: 13
245 gagaacgctg gaccttccat 20
248 <210> SEQ ID NO: 14
249 <211> LENGTH: 20
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <221> NAME/KEY: misc_feature
255 <223> OTHER INFORMATION: Synthetic Oligonucleotide
258 <400> SEQUENCE: 14
259 gagaacgctc gaccttccat 20
262 <210> SEQ ID NO: 15
263 <211> LENGTH: 20
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <221> NAME/KEY: misc_feature
269 <223> OTHER INFORMATION: Synthetic Oligonucleotide
272 <400> SEQUENCE: 15
273 gagaacgctc gaccttcgat 20
276 <210> SEQ ID NO: 16
277 <211> LENGTH: 20
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <221> NAME/KEY: misc_feature
283 <223> OTHER INFORMATION: Synthetic Oligonucleotide
286 <400> SEQUENCE: 16
287 gagcaagctg gaccttccat 20
290 <210> SEQ ID NO: 17
291 <211> LENGTH: 20
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
```

## RAW SEQUENCE LISTING

DATE: 04/10/2002

PATENT APPLICATION: US/09/931,583

TIME: 13:12:16

Input Set : A:\C1039-7053seq.txt

Output Set: N:\CRF3\04102002\I931583.raw

```

296 <221> NAME/KEY: misc_feature
297 <223> OTHER INFORMATION: Synthetic Oligonucleotide
300 <220> FEATURE:
301 <221> NAME/KEY: modified_base
302 <222> LOCATION: (6)..(6)
303 <223> OTHER INFORMATION: m5c
306 <400> SEQUENCE: 17
W--> 307 gagaangctg gaccttccat 20
310 <210> SEQ ID NO: 18
311 <211> LENGTH: 20
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <221> NAME/KEY: misc_feature
317 <223> OTHER INFORMATION: Synthetic Oligonucleotide
320 <220> FEATURE:
321 <221> NAME/KEY: modified_base
322 <222> LOCATION: (14)..(14)
323 <223> OTHER INFORMATION: m5c
326 <400> SEQUENCE: 18
W--> 327 gagaacgctg gacnttccat 20
330 <210> SEQ ID NO: 19
331 <211> LENGTH: 20
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <221> NAME/KEY: misc_feature
337 <223> OTHER INFORMATION: Synthetic Oligonucleotide
340 <400> SEQUENCE: 19
341 gagaacgatg gaccttccat 20
344 <210> SEQ ID NO: 20
345 <211> LENGTH: 20
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <221> NAME/KEY: misc_feature
351 <223> OTHER INFORMATION: Synthetic Oligonucleotide
354 <400> SEQUENCE: 20
355 gagaacgctc cagcactgat 20
358 <210> SEQ ID NO: 21
359 <211> LENGTH: 20
360 <212> TYPE: DNA
361 <213> ORGANISM: Artificial Sequence
363 <220> FEATURE:
364 <221> NAME/KEY: misc_feature
365 <223> OTHER INFORMATION: Synthetic Oligonucleotide
368 <400> SEQUENCE: 21
369 tccatgtcgg tctgatgct 20
372 <210> SEQ ID NO: 22

```

→ Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/931,583

DATE: 04/10/2002

TIME: 13:12:17

Input Set : A:\C1039-7053seq.txt

Output Set: N:\CRF3\04102002\I931583.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:1067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56  
L:1355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74  
L:1393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75